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* * *	* *	* *	* *	* Welcome to STN International * * * * * * * * *
NEWS NEWS	1 2	NOV	21	Web Page for STN Seminar Schedule - N. America CAS patent coverage to include exemplified prophetic substances identified in English-, French-, German-, and Japanese-language basic patents from 2004-present
NEWS	3	NOV	26	MARPAT enhanced with FSORT command
NEWS	4	NOV		CHEMSAFE now available on STN Easy
NEWS	5	NOV	_	Two new SET commands increase convenience of STN
				searching
NEWS	6	DEC		ChemPort single article sales feature unavailable
NEWS	7	DEC	12	GBFULL now offers single source for full-text
				coverage of complete UK patent families
NEWS	8	DEC	17	Fifty-one pharmaceutical ingredients added to PS
NEWS	9	JAN	06	The retention policy for unread STNmail messages will change in 2009 for STN-Columbus and STN-Tokyo
NEWS	10	JAN	07	WPIDS, WPINDEX, and WPIX enhanced Japanese Patent Classification Data
NEWS	11	FEB	02	Simultaneous left and right truncation (SLART) added for CERAB, COMPUAB, ELCOM, and SOLIDSTATE
NEWS	12	FEB	0.2	GENBANK enhanced with SET PLURALS and SET SPELLING
NEWS		FEB		Patent sequence location (PSL) data added to USGENE
NEWS		FEB		COMPENDEX reloaded and enhanced
NEWS		FEB		WTEXTILES reloaded and enhanced
		FEB		
NEWS	10	LFD	19	New patent-examiner citations in 300,000 CA/CAplus patent records provide insights into related prior art
NEWS	17	FEB	19	Increase the precision of your patent queries use terms from the IPC Thesaurus, Version 2009.01
NEWS	18	FEB	23	Several formats for image display and print options discontinued in USPATFULL and USPAT2
NEWS	19	FEB	23	MEDLINE now offers more precise author group fields and 2009 MeSH terms
NEWS	20	FEB	23	TOXCENTER updates mirror those of MEDLINE - more
NEWS	21	FEB	23	precise author group fields and 2009 MeSH terms Three million new patent records blast AEROSPACE into
NEWS	22	FEB	25	STN patent clusters USGENE enhanced with patent family and legal status
NEWS	23	MAR	06	display data from INPADOCDB INPADOCDB and INPAFAMDB enhanced with new display
NEWS	24	MAR	11	formats EPFULL backfile enhanced with additional full-text applications and grants
NEWS	25	MAR	11	ESBIOBASE reloaded and enhanced
NEWS	20	MAR	Z U	CAS databases on STN enhanced with new super role for nanomaterial substances
NEWS	27	MAR	23	CA/CAplus enhanced with more than 250,000 patent
				equivalents from China

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3, AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

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FULL ESTIMATED COST

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FULL ESTIMATED COST 0.48 0.92

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http://www.cas.org/support/stngen/stndoc/properties.html

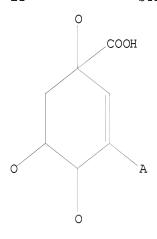
=>

Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary files\10565348\10565348 RCE core.str

L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS L1 STR



Structure attributes must be viewed using STN Express query preparation.

0 ANSWERS

=> search 11 sss sam

SAMPLE SEARCH INITIATED 11:11:20 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 255 TO ITERATE

100.0% PROCESSED 255 ITERATIONS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 4142 TO 6058
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> search 11 sss full FULL SEARCH INITIATED 11:11:40 FILE 'REGISTRY' FULL SCREEN SEARCH COMPLETED - 5060 TO ITERATE

100.0% PROCESSED 5060 ITERATIONS SEARCH TIME: 00.00.01

18 ANSWERS

55111(611 111115. 00.00.01

L3 18 SEA SSS FUL L1

=> d scan

L3 18 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN

IN 2-Cyclohexene-1-carboxylic acid, 3-[(1E)-2-carboxyethenyl]-1,4,5-trihydroxy-, (1R,4R,5R)-

MF C10 H12 O7

Absolute stereochemistry. Double bond geometry as shown.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):18

L3 18 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN

IN 2-Cyclohexene-1-carboxylic acid, 1,4,5-trihydroxy-3-[(1E)-3-oxo-3-[(phenylmethyl)amino]-1-propen-1-yl]-, (1R,4R,5R)-

MF C17 H19 N O6

Absolute stereochemistry. Rotation (-). Double bond geometry as shown.

L3 18 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN

MF C9 H15 O8 P

Absolute stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 18 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN

IN 2-Cyclohexene-1-carboxylic acid, 1,4,5-trihydroxy-3-[(1E)-3-[4-(trifluoromethyl)phenoxy]-1-propen-1-yl]-, (1R,4R,5R)-

MF C17 H17 F3 O6

Absolute stereochemistry.

Double bond geometry as shown.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 18 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN

IN 2-Cyclohexene-1-carboxylic acid, 1,4,5-trihydroxy-3[[(phenylmethyl)amino]carbonyl]-, (1R,4R,5R)-

MF C15 H17 N O6

Absolute stereochemistry. Rotation (-).

L3 18 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN

IN 2-Cyclohexene-1-carboxylic acid, 3-[[(1,1-dimethylethyl)amino]carbonyl]1,4,5-trihydroxy-, (1R,4R,5R)-

MF C12 H19 N O6

Absolute stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 18 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN

IN 2-Cyclohexene-1-carboxylic acid, 1,4,5-trihydroxy-3-[(1E)-3-oxo-3-(phenylamino)-1-propen-1-yl]-, (1R,4R,5R)-

MF C16 H17 N O6

Absolute stereochemistry. Rotation (-). Double bond geometry as shown.

L3 18 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN

MF C8 H13 O8 P

Absolute stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 18 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN

IN 2-Cyclohexene-1-carboxylic acid, 3-[(1E)-3-(4-fluorophenoxy)-1-propen-1-yl]-1,4,5-trihydroxy-, (1R,4R,5R)-

MF C16 H17 F O6

Absolute stereochemistry. Rotation (-). Double bond geometry as shown.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 18 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN

IN 2-Cyclohexene-1-carboxylic acid, 1,4,5-trihydroxy-3-[[(2-phenylethyl)amino]carbonyl]-, (1R,4R,5R)-

MF C16 H19 N O6

Absolute stereochemistry. Rotation (-).

L3 18 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN
IN 1-Cyclohexene-1,3-dicarboxylic acid, 3,5,6-trihydroxy-, (3R,5R,6R)MF C8 H10 O7

Absolute stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

Absolute stereochemistry. Rotation (-). Double bond geometry as shown.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 18 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN

Absolute stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 18 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN

IN 2-Cyclohexene-1-carboxylic acid, 1,4,5-trihydroxy-3-[(1E)-3-phenoxy-1-propen-1-yl]-, (1R,4R,5R)-

MF C16 H18 O6

Absolute stereochemistry. Rotation (-). Double bond geometry as shown.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 18 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN

IN 2-Cyclohexene-1-carboxylic acid, 1,4,5-trihydroxy-3-[[(2-phenoxyethyl)amino]carbonyl]-, (1R,4R,5R)-

MF C16 H19 N O7

Absolute stereochemistry. Rotation (-).

L3 18 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN
IN 2-Cyclohexene-1-carboxylic acid, 3-fluoro-1,4,5-trihydroxy-, (1R,4S,5R)MF C7 H9 F O5

Absolute stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 18 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN
IN 2-Cyclohexene-1-carboxylic acid, 1,4,5-trihydroxy-3-[(1E)-3-hydroxy-1-propen-1-yl]-, (1R,4R,5R)MF C10 H14 O6

Absolute stereochemistry. Rotation (-). Double bond geometry as shown.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 18 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN

IN 2-Cyclohexene-1-carboxylic acid, 1,4,5-trihydroxy-3-[(phosphonooxy)methyl], (1R,4R,5R)-

MF C8 H13 O9 P

Absolute stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

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COST IN U.S. DOLLARS

FULL ESTIMATED COST

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=> 13
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L4 6 L3

=> d 14 1-6 ti fbib abs

- L4 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2009 ACS on STN
- TI Rational design, synthesis, and evaluation of nanomolar type II dehydroquinase inhibitors
- AN 2007:808773 CAPLUS <<LOGINID::20090324>>
- DN 147:268289
- TI Rational design, synthesis, and evaluation of nanomolar type II dehydroquinase inhibitors
- AU Payne, Richard J.; Peyrot, Fabienne; Kerbarh, Olivier; Abell, Andrew D.; Abell, Chris
- CS Department of Chemistry, University of Cambridge, Cambridge, CB2 1EW, UK
- SO ChemMedChem (2007), 2(7), 1015-1029 CODEN: CHEMGX; ISSN: 1860-7179
- PB Wiley-VCH Verlag GmbH & Co. KGaA
- DT Journal
- LA English
- OS CASREACT 147:268289
- AB The in silico design, synthesis, and biol. evaluation of ten potent type II dehydroquinase inhibitors are described. These compds. contain an anhydroquinate core, incorporated as a mimic of the enolate reaction intermediate. This substructure is attached by a variety of linking units to a terminal Ph group that binds in an adjacent pocket. Inhibitors were synthesized from (-)-quinic acid using palladium-catalyzed Stille and carboamidation chemical Several inhibitors exhibited nanomolar inhibition consts. against type II dehydroquinases from Streptomyces coelicolor and Mycobacterium tuberculosis. These are among the most potent inhibitors of these enzymes reported to date.
- RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT
- L4 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2009 ACS on STN
- ${\tt TI}$ Nanomolar inhibition of type ${\tt II}$ dehydroquinase based on the enolate reaction mechanism
- AN 2007:341043 CAPLUS <<LOGINID::20090324>>
- DN 147:671
- TI Nanomolar inhibition of type II dehydroquinase based on the enolate reaction mechanism
- AU Toscano, Miguel D.; Payne, Richard J.; Chiba, Akira; Kerbarh, Olivier; Abell, Chris
- CS Department of Chemistry, University Chemical Laboratory, University of Cambridge, Cambridge, CB2 1EW, UK
- SO ChemMedChem (2007), 2(1), 101-112 CODEN: CHEMGX; ISSN: 1860-7179
- PB Wiley-VCH Verlag GmbH & Co. KGaA
- DT Journal
- LA English
- OS CASREACT 147:671

GΙ

- AB The authors describe the rational design of a novel, highly potent inhibitor of type II dehydroquinase, the dicarboxylate (I). The incorporation of a carboxylate at the 3-position mimics the putative enolate intermediate in the reaction mechanism, and allows a potential electrostatic binding interaction with the arginine on the active site flap. This results in a 1000-fold increase in potency, making the dicarboxylate I the most potent inhibitor of type II dehydroquinase reported to date, with a high ligand efficiency of -0.68 kcal mol-1 per nonhydrogen atom. The systematic dissection of I in compds. 7-12, all of which show a drop in potency, confirm the synergistic importance of the two carboxylates, the C3 and C4 hydroxyl groups, and the anhydroquinate ring structure for the potency of I.
- RE.CNT 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT
- L4 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2009 ACS on STN
- TI Hot off the press
- AN 2004:746639 CAPLUS <<LOGINID::20090324>>
- DN 142:350581
- TI Hot off the press
- AU Hill, Robert A.; Sutherland, Andrew
- CS Department of Chemistry, Glasgow University, Glasgow, G12 8QQ, UK
- SO Natural Product Reports (2004), 21(4), H13-H15 CODEN: NPRRDF; ISSN: 0265-0568
- PB Royal Society of Chemistry
- DT Journal; General Review
- LA English
- AB A review covering a selection of 36 recent papers is presented the examines various aspects of current developments in bioorg, chemical and novel natural products such as bielschowskyin which has a novel diterpenoid framework and shows antimalarial and anticancer activity.
- L4 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2009 ACS on STN
- TI (1R, 4S, 5R)-3-Fluoro-1, 4,5-trihydroxy-2-cyclohexene-1-carboxylic acid: the fluoro analogue of the enolate intermediate in the reaction catalyzed by type II dehydroquinases
- AN 2004:422880 CAPLUS <<LOGINID::20090324>>
- DN 141:140692
- TI (1R,4S,5R)-3-Fluoro-1,4,5-trihydroxy-2-cyclohexene-1-carboxylic acid: the fluoro analogue of the enolate intermediate in the reaction catalyzed by type II dehydroquinases
- AU Frederickson, Martyn; Roszak, Aleksander W.; Coggins, John R.; Lapthorn, Adrian J.; Abell, Chris
- CS University Chemical Laboratory, Cambridge, CB2 1EW, UK
- SO Organic & Biomolecular Chemistry (2004), 2(11), 1592-1596 CODEN: OBCRAK; ISSN: 1477-0520
- PB Royal Society of Chemistry
- DT Journal
- LA English

- OS CASREACT 141:140692
- AB The fluoro analog of the enolate intermediate in the reaction catalyzed by type II dehydroquinases has been prepared from naturally occurring (-)-quinic acid over seven steps and has been shown to be the most potent inhibitor reported to date of the type II enzyme from Mycobacterium tuberculosis.
- RE.CNT 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT
- L4 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2009 ACS on STN
- TI Vinyl fluoride as an isoelectronic replacement for an enolate anion: Inhibition of type II dehydroquinases
- AN 2002:647422 CAPLUS <<LOGINID::20090324>>
- DN 138:102740
- TI Vinyl fluoride as an isoelectronic replacement for an enolate anion: Inhibition of type II dehydroquinases
- AU Frederickson, Martyn; Coggins, John R.; Abell, Chris
- CS University Chemical Laboratory, Cambridge, CB2 1EW, UK
- SO Chemical Communications (Cambridge, United Kingdom) (2002), (17), 1886-1887
 - CODEN: CHCOFS; ISSN: 1359-7345
- PB Royal Society of Chemistry
- DT Journal
- LA English
- OS CASREACT 138:102740
- AB A vinyl fluoride analog of the intermediate in the reaction catalyzed by type II dehydroquinase enzymes has been synthesized over seven steps from (-)-quinic acid and shown to be a potent enzyme inhibitor.
- RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT
- L4 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2009 ACS on STN
- TI Cyclohexenyl and Cyclohexylidene Inhibitors of 3-Dehydroquinate Synthase: Active Site Interactions Relevant to Enzyme Mechanism and Inhibitor Design
- AN 1997:528717 CAPLUS <<LOGINID::20090324>>
- DN 127:216861
- OREF 127:42125a,42128a
- TI Cyclohexenyl and Cyclohexylidene Inhibitors of 3-Dehydroquinate Synthase: Active Site Interactions Relevant to Enzyme Mechanism and Inhibitor Design
- AU Montchamp, Jean-Luc; Frost, J. W.
- CS Contribution from the Department of Chemistry, Michigan State University, East Lansing, MI, 48824, USA
- SO Journal of the American Chemical Society (1997), 119(33), 7645-7653 CODEN: JACSAT; ISSN: 0002-7863
- PB American Chemical Society
- DT Journal
- LA English
- AB Cyclohexenyl and cyclohexylidene inhibitors possessing strategically placed olefinic residues, in general, bind to 3-dehydroquinate (DHQ) synthase more tightly than similarly substituted cyclohexyl inhibitors. All of the newly synthesized inhibitors were prepared from a common DHQ derivative Cyclohexenyl phosphate 1 is the most potent inhibitor of DHQ synthase thus far identified with an inhibition constant (Ki = 1.2+10-10 M), indicating active site binding 1000-fold tighter relative to the corresponding cyclohexyl phosphate 5. Cyclohexenyl tricarboxylate 2 binds 700-fold more tightly than similarly substituted cyclohexyl tricarboxylate 6 and is the first example of a nanomolar-level inhibitor (Ki = 8.6+10-9 M) possessing neither a phosphate monoester or a phosphonic acid. Cyclohexenyl homophosphonate 4 (Ki = 3.0+10-8 M) and cyclohexylidene homophosphonate 10 (Ki = 3.2+10-9 M) bind 57-and 530-fold, resp., more tightly than the corresponding cyclohexyl

homophosphonate 8. Cyclohexylidene homophosphonate 10 is the first example of a nanomolar-level, homophosphonic acid inhibitor of DHQ synthase. Cyclohexylidene phosphonate 9 (Ki = 2.9 + 10 - 10 M) is a 2.9-fold more potent inhibitor relative to cyclohexyl phosphonate 7 which was previously the most potent, slowly-reversible inhibitor of DHQ synthase. Cyclohexenyl phosphonate 3 (Ki = 1.2 + 10 - 9 M) is the only olefin-containing, carbocyclic inhibitor where improved binding over the corresponding cyclohexyl analog was not observed. The impact of olefinic residues in inhibitors on active site binding may indicate that DHQ synthase plays an active catalytic role during E1cb elimination of inorg. phosphate from enzyme-bound substrate.

RE.CNT 46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

=>

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SESSION WILL BE HELD FOR 120 MINUTES
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-4.92	-4.92

=> d 14 5 it

L4 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2009 ACS on STN

IT Enzyme kinetics

(of inhibition; vinyl fluoride analog as isoelectronic replacement for an enolate anion and inhibitor of type II dehydroquinases)

IT Crystal structure

(vinyl fluoride analog as isoelectronic replacement for an enolate anion and inhibitor of type II dehydroquinases)

IT 486430-86-8P

RL: PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(crystal structure properties; vinyl fluoride analog as isoelectronic replacement for an enolate anion and inhibitor of type II dehydroquinases)

IT 486430-83-5P

RL: BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(vinyl fluoride analog as isoelectronic replacement for an enolate anion and inhibitor of type II dehydroquinases)

IT 77-95-2, (-)-Quinic acid 109-87-5 149-73-5 176798-33-7 227002-11-1 RL: RCT (Reactant); RACT (Reactant or reagent)

(vinyl fluoride analog as isoelectronic replacement for an enolate anion and inhibitor of type II dehydroquinases)

176798-26-8P 183474-88-6P 183475-04-9P 486430-85-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(vinyl fluoride analog as isoelectronic replacement for an enolate anion and inhibitor of type II dehydroquinases)

IT 486430-84-6P

ΙT

RL: SPN (Synthetic preparation); PREP (Preparation) (vinyl fluoride analog as isoelectronic replacement for an enolate anion and inhibitor of type II dehydroquinases)

IT 9012-66-2, E.C. 4.2.1.10

RL: BSU (Biological study, unclassified); BIOL (Biological study) (vinyl fluoride as an isoelectronic replacement for an enolate anion: inhibition of type II dehydroquinases)

=> 486430-83-5

REG1stRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress... Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L6 3 L5

=> display hitstr 16 1-3

L6 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2009 ACS on STN

IT 486430-83-5

RL: BSU (Biological study, unclassified); BIOL (Biological study) (current developments in bioorg. chemical and novel natural products)

RN 486430-83-5 CAPLUS

CN 2-Cyclohexene-1-carboxylic acid, 3-fluoro-1,4,5-trihydroxy-, (1R,4S,5R)- (CA INDEX NAME)

Absolute stereochemistry.

L6 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2009 ACS on STN

IT 486430-83-5P

RL: BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(preparation of (1R, 4S, 5R)-3-fluoro-1, 4, 5-trihydroxy-2-cyclohexene-1-carboxylic acid analogs and their inhibition of bacterial dehydroquinases)

RN 486430-83-5 CAPLUS

CN 2-Cyclohexene-1-carboxylic acid, 3-fluoro-1,4,5-trihydroxy-, (1R,4S,5R)- (CA INDEX NAME)

Absolute stereochemistry.

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2009 ACS on STN

IT 486430-83-5P

RL: BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(vinyl fluoride analog as isoelectronic replacement for an enolate anion and inhibitor of type II dehydroquinases)

RN 486430-83-5 CAPLUS

CN 2-Cyclohexene-1-carboxylic acid, 3-fluoro-1,4,5-trihydroxy-, (1R,4S,5R)- (CA INDEX NAME)

Absolute stereochemistry.

FULL ESTIMATED COST ENTRY SESSION 11.16 233.24

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

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ENTRY
SESSION

CA SUBSCRIBER PRICE

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=> d 14 3 it

L4 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2009 ACS on STN

IT Natural products

RL: BIOL (Biological study); OCCU (Occurrence); USES (Uses) (current developments in bioorg. chemical and novel natural products)

IT 10606-72-1P 128946-78-1P 178948-66-8P
 RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP
 (Preparation)

(current developments in bioorg. chemical and novel natural products) IT 50-99-7, D-Glucose, biological studies 1603-79-8 71155-04-9 72909-34-3, Pyrroloquinoline quinone 108605-69-2, Avenanthramide B 486430-83-5 697299-12-0

RL: BSU (Biological study, unclassified); BIOL (Biological study) (current developments in bioorg. chemical and novel natural products)

TT 51532-30-0, (S)-4-Methyl-3-heptanone 149008-32-2, Phomacta-1(14),3,7-triene 689285-37-8, Mikamicranolide 694440-86-3, Clionastatin A 694440-87-4, Clionastatin B 701203-40-9, Corianlactone 714954-37-7, Psymberin 719296-43-2, Carijenone 719298-06-3, Bisavenanthramide B 720681-08-3, Stolonilactone 720681-62-9, Oxaspirosuberitenone 720685-82-5, Sequosempervirin A 742088-25-1, Gymnorrhizol 790710-32-6, Spirodepressolide RL: BSU (Biological study, unclassified); NPO (Natural product occurrence); BIOL (Biological study); OCCU (Occurrence)

(current developments in bioorg. chemical and novel natural products)

IT 697298-90-1, Bielschowskysin

RL: BSU (Biological study, unclassified); NPO (Natural product occurrence); PAC (Pharmacological activity); PRP (Properties); THU

(Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses) (current developments in bioorg. chemical and novel natural products)

IT 677025-48-8, Menisporopsin A 681456-07-5 682334-57-2,

Brasilienosophyllic acid A 725254-09-1, Abyssomicin C

RL: BSU (Biological study, unclassified); NPO (Natural product occurrence); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)

(current developments in bioorg. chemical and novel natural products)

IT 339541-50-3, Prerapamycin 360555-98-2, Spongidepsin

RL: BSU (Biological study, unclassified); NPO (Natural product occurrence); PRP (Properties); BIOL (Biological study); OCCU (Occurrence) (current developments in bioorg. chemical and novel natural products)

=> 486430-83-5

REG1stRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress... Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L8 3 L7

=> display hitstr 18 1-3

L8 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2009 ACS on STN

IT 486430-83-5

RL: BSU (Biological study, unclassified); BIOL (Biological study) (current developments in bioorg. chemical and novel natural products)

RN 486430-83-5 CAPLUS

CN 2-Cyclohexene-1-carboxylic acid, 3-fluoro-1,4,5-trihydroxy-, (1R,4S,5R)- (CA INDEX NAME)

Absolute stereochemistry.

L8 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2009 ACS on STN

IT 486430-83-5P

RL: BSU (Biological study, unclassified); SPN (Synthetic preparation);

BIOL (Biological study); PREP (Preparation)

(preparation of (1R, 4S, 5R)-3-fluoro-1, 4, 5-trihydroxy-2-cyclohexene-1-carboxylic acid analogs and their inhibition of bacterial dehydroquinases)

RN 486430-83-5 CAPLUS

CN 2-Cyclohexene-1-carboxylic acid, 3-fluoro-1,4,5-trihydroxy-, (1R,4S,5R)-(CA INDEX NAME)

Absolute stereochemistry.

L8 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2009 ACS on STN

IT 486430-83-5P

RL: BSU (Biological study, unclassified); SPN (Synthetic preparation);

BIOL (Biological study); PREP (Preparation)

(vinyl fluoride analog as isoelectronic replacement for an enolate anion and inhibitor of type II dehydroquinases)

RN 486430-83-5 CAPLUS

CN 2-Cyclohexene-1-carboxylic acid, 3-fluoro-1,4,5-trihydroxy-, (1R,4S,5R)-(CA INDEX NAME)

Absolute stereochemistry.

=> d 14 4 it

L4ANSWER 4 OF 6 CAPLUS COPYRIGHT 2009 ACS on STN ΙT Cyclitols RL: BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation) (fluoro; preparation of (1R, 4S, 5R)-3-fluoro-1, 4, 5-trihydroxy-2-cyclohexene-1carboxylic acid analogs and their inhibition of bacterial dehydroquinases) ΙT Mycobacterium tuberculosis (preparation of (1R, 4S, 5R)-3-fluoro-1, 4,5-trihydroxy-2-cyclohexene-1carboxylic acid analogs and their inhibition of bacterial dehydroguinases) ΙT 9012-66-2

RL: BSU (Biological study, unclassified); BIOL (Biological study) (preparation of (1R,4S,5R)-3-fluoro-1,4,5-trihydroxy-2-cyclohexene-1-carboxylic acid analogs and their inhibition of bacterial dehydroquinases)

13019-10-8P 486430-83-5P 486430-84-6P
RL: BSU (Biological study, unclassified); SPN (Synthetic preparation);
BIOL (Biological study); PREP (Preparation)
(preparation of (1R, 4S, 5R)-3-fluoro-1, 4, 5-trihydroxy-2-cyclohexene-1-

carboxylic acid analogs and their inhibition of bacterial dehydroquinases)

IT 177284-79-6P 725738-25-0P

RL: PNU (Preparation, unclassified); PREP (Preparation) (preparation of (1R, 4S, 5R)-3-fluoro-1, 4, 5-trihydroxy-2-cyclohexene-1-carboxylic acid analogs and their inhibition of bacterial dehydroquinases)

IT 77-95-2, (-)-Quinic acid 177284-85-4

RL: RCT (Reactant); RACT (Reactant or reagent) (preparation of (1R,4S,5R)-3-fluoro-1,4,5-trihydroxy-2-cyclohexene-1-carboxylic acid analogs and their inhibition of bacterial dehydroquinases)

IT 176798-26-8P 183474-88-6P 183475-04-9P 486430-85-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of (1R, 4S, 5R)-3-fluoro-1, 4, 5-trihydroxy-2-cyclohexene-1-carboxylic acid analogs and their inhibition of bacterial dehydroquinases)

IT 177284-86-5P 177284-87-6P 486430-86-8P

RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of (1R, 4S, 5R)-3-fluoro-1, 4, 5-trihydroxy-2-cyclohexene-1-carboxylic acid analogs and their inhibition of bacterial dehydroquinases)

=> logoff hold		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	13.54	249.14
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-4.92

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